# **ATTACHMENT IV – Amended Water Quality Management Planning Regulation Proposed for Board Adoption**

NOTE: The amendments are presented as underlined text.

9 VAC 25-720-50.A	Potomac-Shenandoah River Basin
9 VAC 25-720-80.A	Roanoke River Basin
9 VAC 25-720-90.A	Tennessee-Big Sandy River Basin
9 VAC 25-720-100.A	Chowan River-Dismal Swamp River Basin

## 9 VAC 25-720-50. Potomac - Shenandoah River Basin.

A. Total maximum daily load (TMDLs).

TMDL#	Stream Name	TMDL Title	City/	WBID	Pollutant	WLA	Units
			County				
1.	Muddy Creek	Nitrate TMDL	Rockingham	B21R	Nitrate	49,389.00	LB/YR
		Development for Muddy					
		Creek/Dry River,					
		Virginia					
2.	Blacks Run	TMDL Development for	Rockingham	B25R	Sediment	32,844.00	LB/YR
		Blacks Run and Cooks					
		Creek					
3.	Cooks Creek	TMDL Development for	Rockingham	B25R	Sediment	69,301.00	LB/YR
		Blacks Run and Cooks					
		Creek					
4.	Cooks Creek	TMDL Development for	Rockingham	B25R	Phosphorus	0	LB/YR
		Blacks Run and Cooks					
		Creek					
5.	Muddy Creek	TMDL Development for	Rockingham	B22R	Sediment	286,939.00	LB/YR
		Muddy Creek and					
		Holmans Creek, Virginia					
6.	Muddy Creek	TMDL Development for	Rockingham	B22R	Phosphorus	38.00	LB/YR
		Muddy Creek and					
		Holmans Creek, Virginia					
7.	Holmans Creek	TMDL Development for	Rockingham/	B45R	Sediment	78,141.00	LB/YR
		Muddy Creek and	Shenandoah				
		Holmans Creek, Virginia					
8.	Mill Creek	TMDL Development for	Rockingham	B29R	Sediment	276.00	LB/YR
		Mill Creek and Pleasant					
		Run					
9.	Mill Creek	TMDL Development for	Rockingham	B29R	Phosphorus	138.00	LB/YR
ı		Mill Creek and Pleasant	_				

10. Pleasant Run TMDL Development for Mill Creek and Pleasant Run  11. Pleasant Run TMDL Development for Mill Creek and Pleasant Run  12. Linville Creek Total Maximum Load Development for Linville Creek: Bacteria and Benthic Impairments  13. Quail Run Benthic TMDL for Quail Rockingham Run  14. Quail Run Benthic TMDL for Quail Rockingham Run  15. Shenandoah River Development of Shenandoah River PCB TMDL (South Fork and Main Stem)  16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork)  17. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork)  18. Cockran Spring Benthic TMDL Reports For Shenandoah River PCB TMDL (Main Stem)  18. Cockran Spring Benthic TMDL Reports For Shenandoah and James River Basins			Run					
Mill Creek and Pleasant Run  TMDL Development for Mill Creek and Pleasant Run  TMDL Development for Mill Creek and Pleasant Run  12. Linville Creek  Total Maximum Load Development for Linville Creek: Bacteria and Benthic Impairments  Benthic Impairments  13. Quail Run  Benthic TMDL for Quail Rockingham B35R Ammonia  7,185,00 KG/YR  Run  14. Quail Run  Benthic TMDL for Quail Rockingham B35R Chlorine  27,63 KG/YR  15. Shenandoah River  Development of Shenandoah River PCB TMDL (South Fork and Main Stem)  16. Shenandoah River  Development of Shenandoah River PCB TMDL (North Fork)  17. Shenandoah River  Development of Shenandoah River PCB TMDL (Morth Fork)  18. Cockran Spring  Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah								
11. Pleasant Run TMDL Development for Mill Creek and Pleasant Run Bethic Tmount for Linville Creek Bacteria and Benthic Impairments Basen Basen Armonia 7,185.00 KG/YR Run Benthic TMDL for Quail Rockingham Basen Armonia 7,185.00 KG/YR Run Benthic TMDL for Quail Rockingham Basen Chlorine 27,63 KG/YR Run Bathic TMDL for Quail Rockingham Basen Chlorine 27,63 KG/YR Run Basen Basen Chlorine 27,63 KG/YR Run Basen Basen Basen Chlorine 27,63 KG/YR Run Basen Bas	10.	Pleasant Run	TMDL Development for	Rockingham	B27R	Sediment	0.00	LB/YR
11. Pleasant Run TMDL Development for Rockingham B27R Phosphorus 0.00 LB/YR Mill Creek and Pleasant Run  12. Linville Creek Total Maximum Load Rockingham B46R Sediment 5.50 TONS/YR Development for Linville Creek: Bacteria and Benthic Impairments  13. Quail Run Benthic TMDL for Quail Rockingham B35R Ammonia 7,185.00 KG/YR Run  14. Quail Run Benthic TMDL for Quail Rockingham B35R Chlorine 27.63 KG/YR Run  15. Shenandoah River Development of Shenandoah River PCB TMDL (South Fork and Main Stem)  16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork)  17. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork)  18. Cockran Spring Benthic TMDL Reports Augusta 610R Organic Solids 1,556.00 LB/YR Segments in the Potomac-Shenandoah River			Mill Creek and Pleasant					
Mill Creek and Pleasant Run  12. Linville Creek  Total Maximum Load Development for Linville Creek: Bacteria and Benthic Impairments  13. Quail Run  Benthic TMDL for Quail Rockingham  14. Quail Run  Benthic TMDL for Quail Rockingham  Run  14. Quail Run  Benthic TMDL for Quail Rockingham  Ba5R  Chlorine  27.63 KG/YR  Run  15. Shenandoah River  Development of Shenandoah River PCB TMDL (South Fork and Main Stern)  16. Shenandoah River  Development of Shenandoah River PCB TMDL (North Fork)  TMDL (North Fork)  17. Shenandoah River  Development of Shenandoah River PCB TMDL (North Fork)  18. Cockran Spring  Benthic TMDL Reports Augusta  FOR Shenandoah River PCB TMDL (Main Stern)  Benthic TMDL Reports Augusta  B10R  Organic Solids  1,556.00 LB/YR			Run					
Mill Creek and Pleasant Run  12. Linville Creek  Total Maximum Load Development for Linville Creek: Bacteria and Benthic Impairments  13. Quail Run  Benthic TMDL for Quail Rockingham  14. Quail Run  Benthic TMDL for Quail Rockingham  Run  14. Quail Run  Benthic TMDL for Quail Rockingham  Ba5R  Chlorine  27.63 KG/YR  Run  15. Shenandoah River  Development of Shenandoah River PCB TMDL (South Fork and Main Stern)  16. Shenandoah River  Development of Shenandoah River PCB TMDL (North Fork)  TMDL (North Fork)  17. Shenandoah River  Development of Shenandoah River PCB TMDL (North Fork)  18. Cockran Spring  Benthic TMDL Reports Augusta  FOR Shenandoah River PCB TMDL (Main Stern)  Benthic TMDL Reports Augusta  B10R  Organic Solids  1,556.00 LB/YR								
Run  12. Linville Creek  Total Maximum Load Development for Linville Creek: Bacteria and Benthic Impairments  13. Quail Run  Benthic TMDL for Quail Run  14. Quail Run  Benthic TMDL for Quail Run  Benthic TMDL for Quail Run  15. Shenandoah River Development of Shenandoah River PCB TMDL (South Fork and Main Stem)  16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork)  17. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork)  18. Cockran Spring Benthic TMDL Reports Augusta For Skenandoah Fo	11.	Pleasant Run	TMDL Development for	Rockingham	B27R	Phosphorus	0.00	LB/YR
12. Linville Creek  Total Maximum Load Development for Linville Creek: Bacteria and Benthic Impairments  13. Quail Run  Benthic TMDL for Quail Rockingham Bass  Bass  Chlorine  27.63 KG/YR  B55R, B55R, B55R, B55R, B57R, B58R  B57R, B58R  PCBs  0.00 G/YR  Shenandoah River Shenandoah River PCB TMDL (North Fork)  TMDL (North Fork)  Development of Shenandoah River PCB TMDL (Main Stem)  Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah			Mill Creek and Pleasant					
Development for Linville Creek: Bacteria and Benthic Impairments  13. Quail Run Benthic TMDL for Quail Rockingham Ba55R BeftR BeftR BeftR BeftR PCB DevB DevBopment of Shenandoah River PCB TMDL (North Fork)  Development of Shenandoah River PCB TMDL (Main Sterm) Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah			Run					
Creek: Bacteria and Benthic Impairments  13. Quail Run Benthic TMDL for Quail Run B35R Ammonia 7,185.00 KG/YR Run  14. Quail Run Benthic TMDL for Quail Rockingham B35R Chlorine 27.63 KG/YR Run  15. Shenandoah River Development of Shenandoah River PCB TMDL (South Fork and Main Stern)  16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork)  17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stern)  18. Cockran Spring Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah	12.	Linville Creek	Total Maximum Load	Rockingham	B46R	Sediment	5.50	TONS/YR
Benthic Impairments  Benthic Impairments  Benthic Impairments  Benthic TMDL for Quail Rockingham Run  14. Quail Run  Benthic TMDL for Quail Rockingham Run  BassR  Chlorine  27.63 KG/YR  Run  15. Shenandoah River  Development of Shenandoah River PCB TMDL (South Fork and Main Stem)  16. Shenandoah River  Development of Shenandoah River PCB TMDL (North Fork)  17. Shenandoah River  Development of Shenandoah River  Development of Shenandoah River PCB TMDL (North Fork)  18. Cockran Spring  Benthic TMDL Reports Augusta  BassR  Ammonia  7,185.00 KG/YR  Run  4,185.00 KG/YR  Run  855R, B55R,			Development for Linville					
13. Quail Run Benthic TMDL for Quail Rockingham B35R Ammonia 7,185.00 KG/YR Run  14. Quail Run Benthic TMDL for Quail Rockingham Run  15. Shenandoah River Development of Shenandoah River PCB TMDL (South Fork and Main Stern)  16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork)  17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stern)  18. Cockran Spring Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah			Creek: Bacteria and					
Run  14. Quail Run  Benthic TMDL for Quail Rockingham  B35R  Chlorine  27.63 KG/YR  KG/YR  15. Shenandoah River  Development of Shenandoah River PCB TMDL (South Fork and Main Stem)  16. Shenandoah River  Development of Shenandoah River PCB TMDL (North Fork)  17. Shenandoah River  Development of Shenandoah River PCB TMDL (North Fork)  18. Cockran Spring  Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah			Benthic Impairments					
Run  14. Quail Run  Benthic TMDL for Quail Rockingham  B35R  Chlorine  27.63 KG/YR  KG/YR  15. Shenandoah River  Development of Shenandoah River PCB TMDL (South Fork and Main Stem)  16. Shenandoah River  Development of Shenandoah River PCB TMDL (North Fork)  17. Shenandoah River  Development of Shenandoah River PCB TMDL (North Fork)  18. Cockran Spring  Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah								
14. Quail Run Benthic TMDL for Quail Run Benthic TMDL for Quail Run Ba5R Chlorine 27.63 KG/YR  15. Shenandoah River Development of Shenandoah River PCB TMDL (South Fork and Main Stem) Ba5R Ba5R, Ba5	13.	Quail Run	Benthic TMDL for Quail	Rockingham	B35R	Ammonia	7,185.00	KG/YR
Run  15. Shenandoah River  Development of Shenandoah River PCB TMDL (North Fork)  17. Shenandoah River  Development of Shenandoah River PCB TMDL (Main Stem)  18. Cockran Spring  Run  Warren & Clarke B41R, B55R, B55R, B55R, B57R, B58R  Warren & Clarke B51R  PCBs  0.00  G/YR  Warren & Clarke B51R  PCBs  0.00  G/YR  Warren & Clarke WV  PCBs  179.38  G/YR  Augusta  B10R  Organic Solids  1,556.00  LB/YR			Run					
15. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork)  17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stem)  18. Cockran Spring Benthic TMDL Reports for Six Impaired Stream Segments in the PCB PCB RESEARCH PCB	14.	Quail Run	Benthic TMDL for Quail	Rockingham	B35R	Chlorine	27.63	KG/YR
Shenandoah River PCB TMDL (South Fork and Main Stem)  16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork)  17. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork)  18. Cockran Spring  Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah  B55R, B55R, B57R, B58R  PCBs  0.00  G/YR  PCBs  179.38  G/YR  PCBs  179.38  Organic Solids  1,556.00  LB/YR			Run					
Shenandoah River PCB TMDL (South Fork and Main Stem)  16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork)  17. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork)  18. Cockran Spring  Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah  PCBs  0.00  G/YR  Warren & Clarke WV  PCBs  179.38  G/YR  Organic Solids  1,556.00  LB/YR					2112			200
TMDL (South Fork and Main Stern)  16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork)  17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stern)  18. Cockran Spring Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah	15.	Shenandoah River		Warren & Clarke		PCBs	179.38	G/YR
Main Stem)  16. Shenandoah River  Development of Shenandoah River PCB TMDL (North Fork)  17. Shenandoah River  Development of Shenandoah River PCB TMDL (Main Stem)  18. Cockran Spring  Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah  B58R  PCBS  0.00 G/YR  PCBS  179.38 G/YR  PCBS  179								
16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork)  17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stem)  18. Cockran Spring Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah								
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TMDL (North Fork)  17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stem)  18. Cockran Spring Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah	16.	Shenandoah River		Warren & Clarke	B51R	PCBs	0.00	G/YR
17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stem)  18. Cockran Spring Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah								
Shenandoah River PCB TMDL (Main Stem)  18. Cockran Spring Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah								
TMDL (Main Stem)  18. Cockran Spring Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah	17.	Shenandoah River	Development of	Warren & Clarke	WV	PCBs	179.38	G/YR
18. Cockran Spring Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah								
for Six Impaired Stream  Segments in the  Potomac-Shenandoah			TMDL (Main Stem)					
Segments in the Potomac-Shenandoah	18.	Cockran Spring	Benthic TMDL Reports	Augusta	B10R	Organic Solids	1,556.00	LB/YR
Potomac-Shenandoah			for Six Impaired Stream					
			Segments in the					
and James River Basins			Potomac-Shenandoah					
			and James River Basins					

19.	Lacey Spring	Benthic TMDL Reports	Rockingham	B47R	Organic Solids	680.00	LB/YR
		for Six Impaired Stream					
		Segments in the					
		Potomac-Shenandoah					
		and James River Basins					
20.	Orndorff Spring	Benthic TMDL Reports	Shenandoah	B52R	Organic Solids	103.00	LB/YR
		for Six Impaired Stream					
		Segments in the					
		Potomac-Shenandoah					
		and James River Basins					
21.	Toms Brook	Benthic TMDL for Toms	Shenandoah	B50R	Sediment	8.1	T/YR
		Brook in Shenandoah					
		County, Virginia					
22.	Goose Creek	Benthic TMDLs for the	Loudoun,	A08R	Sediment	1,587	T/YR
		Goose Creek	Fauquier				
		Watershed					
23.	Little River	Benthic TMDLs for the	Loudoun	A08R	Sediment	105	T/YR
		Goose Creek					
		Watershed					
24.	Christians Creek	Fecal Bacteria and	Augusta	B14R	Sediment	145	T/YR
		General Standard Total					
		Maximum Daily Load					
		Development for					
		Impaired Streams in the					
		Middle River and Upper					
		South River					
		Watersheds, Augusta					
		County, VA					
25.	Moffett Creek	Fecal Bacteria and	Augusta	B13R	Sediment	0	T/YR
		General Standard Total					
		Maximum Daily Load					
		Development for					
		Impaired Streams in the					
<u> </u>	1		<u> </u>		1		

South River Watersheds, Augusta County, VA  26. Upper Middle River Fecal Bacteria and General Standard Total Maximum Daily Load Development for Impaired Streams in the Middle River and Upper South River Watersheds, Augusta County, VA  27. Mossy Creek Total Maximum Daily Load Development for Messy Creek and Long Glade Run: Bacteria and General Standard (Benthic) Impairments  28. Smith Creek Total Maximum Daily Load (TMDL) Development for Smith Creek  478 T/YR  29. Abrams Creek Opequon Watershed TMDLs for Benthic Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Creek TMDLs for Benthic Impairments: Abrams Frederick, Clarke			Middle River and Upper					
Watersheds, Augusta County, VA  26. Upper Middle River Fecal Bacteria and General Standard Total Maximum Daily Load Development for Impaired Streams in the Middle River and Upper South River Watersheds, Augusta County, VA  27. Mossy Creek Total Maximum Daily Load Development for Mossy Creek and Long Glade Run: Bacteria and General Standard (Benthic) Impairments  28. Smith Creek Total Maximum Daily Load (TMDL) Development for Smith Creek  7 Opequon Watershed TMDLs for Benthic Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Watershed TMDLs for Benthic Clarke Clarke Sediment  1.355 T/YR  1.356 T/YR  1.355 T/YR  1.356 T/								
County, VA  26. Upper Middle River  Fecal Bacteria and General Standard Total Maximum Daily Load Development for Impaired Streams in the Middle River and Upper South River Watersheds, Augusta County, VA  27. Mossy Creek  Total Maximum Daily Load Development for Mossy Creek and Long Glade Run: Bacteria and General Standard (Benthic) Impairments  28. Smith Creek  Total Maximum Daily Rockingham, B47R  Sediment  353,867 LB/YR  Sediment  353,867 LB/YR  Sediment  353,867 LB/YR  Abrams Creek  Opequon Watershed TMDLs for Benthic Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Watershed TMDLs for Benthic Creek			Watersheds, Augusta					
26. Upper Middle River  Fecal Bacteria and General Standard Total Maximum Daily Load Development for Impaired Streams in the Middle River and Upper South River Watersheds, Augusta County, VA  27. Mossy Creek  Total Maximum Daily Load Development for Mossy Creek and Long Glade Run: Bacteria and General Standard (Benthic) Impairments  28. Smith Creek  Total Maximum Daily Rockingham B19R Sediment  Total Maximum Daily Load Check Sediment  Sediment  Total Maximum Daily Rockingham, B47R Sediment  Sediment  353,867 LB/YR  Sediment  Total Maximum Daily Rockingham, B47R Sediment  Total Maximum Daily Sediment  Total Maximum Daily Sediment  Total Maximum Daily Rockingham, B47R Sediment  Total Maximum Daily Sediment  Total Maxim								
General Standard Total Maximum Daily Load Development for Impaired Streams in the Middle River and Upper South River Watersheds, Augusta County, VA  27. Mossy Creek Total Maximum Daily Rockingham B19R Sediment 0.04 T/YR Load Development for Mossy Creek and Long Glade Run: Bacteria and General Standard (Benthic) Impairments  28. Smith Creek Total Maximum Daily Load (TMDL) Development for Smith Creek  29. Abrams Creek Opequon Watershed TMDLs for Benthic Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Opequon Watershed Frederick, Creek TMDLs for Benthic Clarke Creek TMDLs for Benthic Clarke	26.	Upper Middle River		Augusta	B10R	Sediment	1.355	T/YR
Maximum Daily Load Development for Impaired Streams in the Middle River and Upper South River Watersheds, Augusta County, VA  27. Mossy Creek Total Maximum Daily Load Development for Mossy Creek and Long Glade Run: Bacteria and General Standard (Benthic) Impairments (Benthic) Impairments Creek  29. Abrams Creek Opequon Watershed TMDLs for Benthic Impairments: Abrams Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Watershed TMDLs for Benthic Creek TMDLs for Benthic Creek Frederick and Clarke Counties, Virginia Frederick, BogR Sediment 1,039 T/YR								-
Development for Impaired Streams in the Middle River and Upper South River Watersheds, Augusta County, VA  27. Mossy Creek Total Maximum Daily Load Development for Mossy Creek and Long Glade Run: Bacteria and General Standard (Benthic) Impairments  28. Smith Creek Total Maximum Daily Load (TMDL) Development for Smith Creek  29. Abrams Creek Opequon Watershed TMDLs for Benthic Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Watershed TmDLs for Benthic Clarke Frederick, Book Sediment 1,039 T/YR								
Impaired Streams in the Middle River and Upper South River Watersheds, Augusta County, VA  27. Mossy Creek Total Maxiumum Daily Load Development for Mossy Creek and Long Glade Run: Bacteria and General Standard (Benthic) Impairments  28. Smith Creek Total Maxiumum Daily Load (TMDL) Development for Smith Creek  29. Abrams Creek Opequon Watershed TMDLs for Benthic Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Watershed TMDLs for Benthic Clarke    Clarke   Clar								
Middle River and Upper South River Watersheds, Augusta County, VA  27. Mossy Creek Total Maxiumum Daily Load Development for Mossy Creek and Long Glade Run: Bacteria and General Standard (Benthic) Impairments  28. Smith Creek Total Maxiumum Daily Load (TMDL) Development for Smith Creek  29. Abrams Creek Opequon Watershed TMDLs for Benthic Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Watershed TMDLs for Benthic Clarke  Production Roberts South Roberts South Roberts South Roberts Ro								
South River Watersheds, Augusta County, VA  27. Mossy Creek Total Maxiumum Daily Load Development for Mossy Creek and Long Glade Run: Bacteria and General Standard (Benthic) Impairments  28. Smith Creek Total Maxiumum Daily Load (TMDL) Development for Smith Creek  29. Abrams Creek Opequon Watershed TMDLs for Benthic Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Watershed TMDLs for Benthic Creek TMDLs for Benthic Counties, Virginia  30. Lower Opequon Opequon Watershed Creek TMDLs for Benthic Clarke TMDLs for Benthic Clarke Opequon Opequon Watershed Creek TMDLs for Benthic Clarke								
Watersheds, Augusta County, VA  27. Mossy Creek  Total Maxiumum Daily Load Development for Mossy Creek and Long Glade Run: Bacteria and General Standard (Benthic) Impairments  28. Smith Creek  Total Maxiumum Daily Load (TMDL) Development for Smith Creek  29. Abrams Creek  Opequon Watershed Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Watershed TMDLs for Benthic Clarke  Frederick, B09R Sediment  1,039 T/YR								
27. Mossy Creek Total Maximum Daily Load Development for Mossy Creek and Long Glade Run: Bacteria and General Standard (Benthic) Impairments  28. Smith Creek Total Maximum Daily Load (TMDL) Development for Smith Creek  29. Abrams Creek Opequon Watershed TMDLs for Benthic Impairments: Abrams Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Watershed TMDLs for Benthic Clarke  TMDLs for Benthic Clarke Clarke  Clarke  Development for Smith Sediment O.04 T/YR  B19R Sediment O.04 T/YR  Sediment O.04 T/YR  B47R Sediment Sediment Sediment O.04 T/YR  TMDLs for Benthic Clarke								
Load Development for Mossy Creek and Long Glade Run: Bacteria and General Standard (Benthic) Impairments  28. Smith Creek Total Maxiumum Daily Load (TMDL) Shenandoah  Development for Smith Creek  29. Abrams Creek Opequon Watershed TMDLs for Benthic Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Watershed Frederick, Book Sediment 1,039 T/YR  TMDLs for Benthic Clarke  Counties, Virginia  30. Lower Opequon Opequon Watershed Frederick, Book Sediment 1,039 T/YR								
Mossy Creek and Long Glade Run: Bacteria and General Standard (Benthic) Impairments  28. Smith Creek  Total Maxiumum Daily Load (TMDL) Development for Smith Creek  29. Abrams Creek  Opequon Watershed TMDLs for Benthic Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon  Opequon Watershed TMDLs for Benthic Creek  TMDLs for Benthic Creek Counties, Virginia  TMDLs for Benthic Creek  TMDLs for Benthic Creek Counties, Virginia  TMDLs for Benthic Clarke  TMDLs for Benthic Clarke	27.	Mossy Creek	Total Maxiumum Daily	Rockingham	B19R	Sediment	0.04	T/YR
Glade Run: Bacteria and General Standard (Benthic) Impairments  28. Smith Creek Total Maxiumum Daily Load (TMDL) Shenandoah  Development for Smith Creek  29. Abrams Creek Opequon Watershed TMDLs for Benthic Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Watershed Frederick, Book Sediment 1,039 T/YR  TMDLs for Benthic Frederick, Book Sediment 1,039 T/YR  Creek TMDLs for Benthic Clarke			Load Development for					
and General Standard (Benthic) Impairments  28. Smith Creek  Total Maxiumum Daily Load (TMDL) Development for Smith Creek  29. Abrams Creek  Opequon Watershed TMDLs for Benthic Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Opequon Watershed TMDLs for Benthic Clarke  Development for Smith Creek  Frederick B09R Sediment  478 T/YR  478 T/YR  B09R Sediment  1,039 T/YR			Mossy Creek and Long					
Ceek   Counties, Virginia   Clarke   Csediment   353,867   LB/YR   353,867   LB/YR   Sediment   353,867   LB/YR			Glade Run: Bacteria					
28. Smith Creek Total Maxiumum Daily Load (TMDL) Development for Smith Creek  29. Abrams Creek Opequon Watershed TMDLs for Benthic Impairments: Abrams Creek And Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Opequon Watershed TMDLs for Benthic Clarke  Creek TMDLs for Benthic Clarke  Clarke  Sediment 353,867 LB/YR  Sediment 478 T/YR  478 T/YR  Sediment 478 T/YR  Frederick B09R Sediment 478 T/YR			and General Standard					
Load (TMDL) Development for Smith Creek  29. Abrams Creek Opequon Watershed Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Opequon Watershed TMDLs for Benthic Clarke  Shenandoah Frederick B09R Sediment 478 T/YR  478 T/YR  478 T/YR  599 Sediment 478 T/YR			(Benthic) Impairments					
Development for Smith Creek  29. Abrams Creek  Opequon Watershed Frederick  TMDLs for Benthic Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon  Opequon Watershed Frederick, Clarke  Development for Smith Creek  B09R  Sediment  478  T/YR  Abrams Creek  Frederick  B09R  Sediment  1,039  T/YR	28.	Smith Creek	Total Maxiumum Daily	Rockingham,	B47R	Sediment	353,867	LB/YR
Creek  29. Abrams Creek Opequon Watershed TMDLs for Benthic Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Watershed Creek TMDLs for Benthic Frederick, B09R Sediment  478 T/YR			Load (TMDL)	Shenandoah				
29. Abrams Creek Opequon Watershed TMDLs for Benthic Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Watershed Frederick, B09R Sediment 1,039 T/YR TMDLs for Benthic Clarke			Development for Smith					
TMDLs for Benthic Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Watershed TMDLs for Benthic Clarke  TMDLs for Benthic			Creek					
Impairments: Abrams Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Watershed TMDLs for Benthic Clarke  Impairments: Abrams Rederick B09R Sediment Frederick 1,039 T/YR	29.	Abrams Creek	Opequon Watershed	Frederick	B09R	Sediment	478	T/YR
Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Watershed Frederick, Creek TMDLs for Benthic Clarke			TMDLs for Benthic					
Opequon Creek, Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Watershed Frederick, Creek TMDLs for Benthic Clarke			Impairments: Abrams					
Frederick and Clarke Counties, Virginia  30. Lower Opequon Opequon Watershed Frederick, B09R Sediment 1,039 T/YR Creek TMDLs for Benthic Clarke			Creek and Lower					
Counties, Virginia  30. Lower Opequon Opequon Watershed Frederick, B09R Sediment 1,039 T/YR  Creek TMDLs for Benthic Clarke			Opequon Creek,					
30. Lower Opequon Opequon Watershed Frederick, B09R Sediment 1,039 T/YR Creek TMDLs for Benthic Clarke			Frederick and Clarke					
Creek TMDLs for Benthic Clarke			Counties, Virginia					
	30.	Lower Opequon	Opequon Watershed	Frederick,	B09R	Sediment	1,039	T/YR
Impairments: Abrams		Creek	TMDLs for Benthic	Clarke				
			Impairments: Abrams					

		Creek and Lower Opequon Creek, Frederick and Clarke Counties, Virginia					
31.	Mill Creek	Mill Creek Sediment  TMDL for a Benthic  Impairment,  Shenandoah County,  Virginia	<u>Shenandoah</u>	<u>B48R</u>	<u>Sediment</u>	0.9	T/Yr

B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations.

[NOT SHOWN]

C. Nitrogen and phosphorus waste load allocations to restore the Chesapeake Bay and its tidal rivers.

[NOT SHOWN]

### 9 VAC 25-720-80. Roanoke River Basin.

A. Total maximum Daily Load (TMDLs).

TMDL#	Stream Name	TMDL Title	City/County	WBID	Pollutant	WLA	Units
1.	Ash Camp Creek	Total Maximum Daily Load Development for Ash Camp Creek	Charlotte	L39R	Sediment	20.7	T/YR
2.	North Fork Blackwater River	Total Maximum Daily Load (TMDL) Development for the Upper Blackwater River Watershed	Franklin	L08R	Sediment	0	T/YR
3.	North Fork Blackwater River	Total Maximum Daily Load (TMDL) Development for the Upper Blackwater River Watershed	Franklin	L08R	Phosphorus	0	T/YR

4.	Upper Blackwater	Total Maximum Daily	Franklin	L08R	Sediment	0.526	T/YR
	River	Load (TMDL)					
		Development for the					
		Upper Blackwater River					
		Watershed					
5.	Flat Creek	Benthic TMDL for Flat	Mecklenburg	L79R	Sediment	76.2	T/YR
		Creek Watershed,					
		Virginia					
6.	Twittys Creek	Benthic TMDL for	Charlotte	L39R	Sediment	20.4	T/YR
		Twittys Creek					
		Watershed, Virginia					
<u>7.</u>	Roanoke River	Benthic TMDL	Roanoke,	<u>L04R</u>	Sediment	<u>5,189</u>	<u>T/YR</u>
		Development for the	Montgomery,				
		Roanoke River, Virginia	Floyd, Botetour,				
			Salem, Roanoke				

B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations.

[NOT SHOWN]

### 9 VAC 25-720-90. Tennessee-Big Sandy River Basin.

A. Total maximum Daily Load (TMDLs).

TMDL#	Stream Name	TMDL Title	City/	WBID	Pollutant	WLA	Units
			County				
1.	Guest River	Guest River Total  Maximum Load Report	Wise	P11R	Sediment	317.52	LB/YR
2.	Cedar Creek	Total Maximum Daily Load (TMDL) Development for Cedar Creek, Hall/Byers Creek and Hutton Creek	Washington	O05R	Sediment	1,789.93	LB/YR
3.	Hall/Byers Creek	Total Maximum Daily Load (TMDL)	Washington	O05R	Sediment	57,533.49	LB/YR

		Development for Cedar					
		Creek, Hall/Byers Creek					
		and Hutton Creek					
4.	Hutton Creek	Total Maximum Daily	Washington	O05R	Sediment	91.32	LB/YR
		Load (TMDL)					
		Development for Cedar					
		Creek, Hall/Byers Creek					
		and Hutton Creek					
5.	Clinch River	Total Maximum Daily	Tazewell	P01R	Sediment	206,636	LB/YR
		Load Development for					
		the Upper Clinch River					
		Watershed					
6.	Lewis Creek	Total Maximum Daily	Russell	P04R	Sediment	40,008	LB/YR
		Load Development for					
		the Lewis Creek					
		Watershed					
7.	Black Creek	General Standard Total	Wise	P17R	Manganese	2,127	KG/YR
		Maximum Daily Load					
		Development for Black					
		Creek, Wise County,					
		Virginia					
8.	Dumps Creek	General Standard Total	Russell	P08R	Total Dissolved	1,631,575	KG/YR
		Maximum Daily Load			Solids		
		Development for Dumps					
		Creek, Russell County,					
		Virginia					
9.	Dumps Creek	General Standard Total	Russell	P08R	Total	316,523	KG/YR
		Maximum Daily Load			Suspended		
		Development for Dumps			Solids		
		Creek, Russell County,					
		Virginia					
10.	Beaver Creek	Total Maximum Daily	Washington	O07R	Sediment	784,036	LB/YR
		Load Development for					

		the Beaver Creek					
		Watershed					
<u>11.</u>	Stock Creek	General Standard	Scott	<u>P13R</u>	<u>Sediment</u>	<u>0</u>	<u>T/YR</u>
		(Benthic) Total					
		Maximum Daily Load					
		Development for Stock					
		<u>Creek</u>					

B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations.

[NOT SHOWN]

### 9 VAC 25-720-100. Chowan River – Dismal Swamp River Basin.

A. Total maximum Daily Load (TMDLs).

TMDL#	Stream Name	TMDL Title	City/County	WBID	Pollutant	WLA	Units
1.	Unnamed Tributary to	Benthic TMDL for	Nottoway	K16R	Sediment	60.9	T/YR
	Hurricane Branch	Hurricane Branch					
		Unnamed Tributary,					
		Virginia					
<u>2.</u>	Spring Branch	Total Maximum Daily	Sussex	<u>K32R</u>	Phosphorus	145.82	KG/YR
		Load Development for					
ı		Spring Branch					
		Spring Branch					

B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations.

[NOT SHOWN]